



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/742,911

12/23/2003

Hee Jung Hong

8734.282.00 US

7164

30827 7590 05/16/2007
MCKENNA LONG & ALDRIDGE LLP
1900 K STREET, NW
WASHINGTON, DC 20006

EXAMINER

BRIGGS, NATHANAEL R

ART UNIT

PAPER NUMBER

2871

MAIL DATE

DELIVERY MODE

05/16/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/742,911

Applicant(s)

HONG ET AL.

Examiner

Nathanael R. Briggs

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 1/3/07; 2/7/07.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Oishi et al. (US 6,972,966).
4. Regarding claims 1 and 9, Oishi discloses a touch panel (column 15, lines 20-22) for a display device (see figures 8-11, for instance) having a driver IC (18), comprising: upper and lower substrates (6, 7); first and second transparent electrodes (8, 9) on opposing surfaces of the upper and lower substrates (6, 7); a plurality of metal electrodes (8A, 9A) in a circumference of the first and second transparent electrodes (8, 9); and a flexible printed cable (10, 60) having a plurality of signal applying lines (810, 910) extended from the upper and lower substrates (6, 7) to a rear side of the display device (2) for applying signal voltages to the metal electrodes (8A, 9A), wherein the flexible printed cable (10, 60) is bent over an edge (6A) of the upper and lower

substrates (6, 7) from a top to a bottom of the display device (2), and has a first part (60) extended from the edge of the display device (2) to connect the signal applying lines (810, 910) to the plurality of metal electrodes (8A, 9A) and a second part (10) extended from the first part (60) and overlapping the driver IC (18), the first (60) and second (10) parts being perpendicular to each other. Claims 1 and 9 are therefore unpatentable.

5. Regarding claims 2 and 10, Oishi discloses the touch panel of claims 1 and 9 (see figures 8-11, for instance), wherein the flexible printed cable (10, 60) has a plurality of through-holes (67) between the first part (60) and the second part (10) of the flexible printed cable (10, 60). Claims 2 and 10 are therefore unpatentable.

6. Regarding claims 3 and 11, Oishi discloses the touch panel of claim 1 (see figures 8-11, for instance), wherein some of the plurality of signal applying lines (14) of the lower surface of the flexible printed cable (10, 60) are disposed on the upper surface of the flexible printed cable (10, 60). Claims 3 and 11 are therefore unpatentable.

7. Regarding claims 4 and 12, Oishi discloses the touch panel of claims 1 and 9 (see figures 8-11, for instance), wherein the flexible printed cable (10, 60) extends through the driver IC (18) of the display device (2) to be connected to a printed circuit board. Claims 4 and 12 are therefore unpatentable.

8. Regarding claims 5 and 13, Oishi discloses the touch panel of claims 3 and 11 (see figures 8-11, for instance), wherein the signal applying lines (64) for applying signals to the metal electrodes (9A) on the upper substrate (7) are printed on the upper surface of the flexible printed cable (10, 60), and the signal applying lines (810) for

applying signals to the metal electrodes (8A) on the lower substrate (6) are printed on the lower surface of the flexible printed cable (10, 60). Claims 5 and 13 are therefore unpatentable.

9. Regarding claims 6 and 14, Oishi discloses the touch panel of claims 1 and 9 (see figures 8-11, for instance), wherein the metal electrodes include: first and second metal electrodes (8A) being electrically connected to the first transparent electrode (8) in the circumference of the first transparent electrode (8) along the X-axis direction, and third and fourth metal electrodes (9A) being electrically connected to the second transparent electrode (9) in the circumference of the upper and lower sides on the second transparent electrode (9) along the Y-axis direction. Claims 6 and 14 are therefore unpatentable.

10. Regarding claims 7 and 15, Oishi discloses the touch panel of claims 6 and 14 (see figures 8-11, for instance), wherein the first, second, third, and fourth metal electrodes (8A, 9A) are connected to the first, second, third, and fourth signal applying lines (810, 910). Claims 7 and 15 are therefore unpatentable.

11. Regarding claims 8 and 16, Oishi discloses the touch panel of claims 1 and 9 (see figures 8-11, for instance), wherein the display device (2) is a liquid crystal display device. Claims 8 and 16 are therefore unpatentable.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathanael R. Briggs whose telephone number is (571) 272-8992. The examiner can normally be reached on 9 AM - 5:30 PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2871

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nathanael Briggs
5/7/07


ANDREW SCHECHTER
PRIMARY EXAMINER